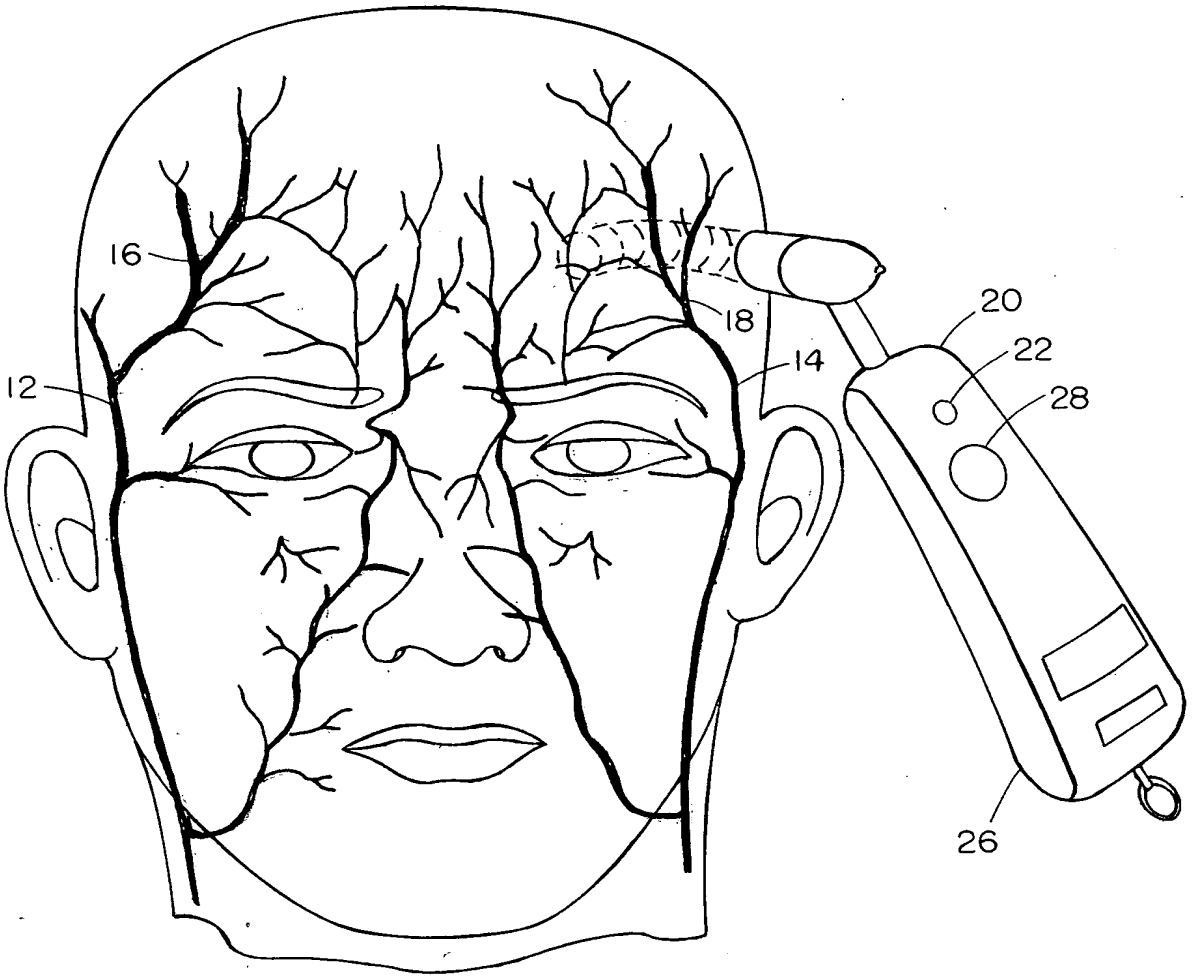

FIG. 1

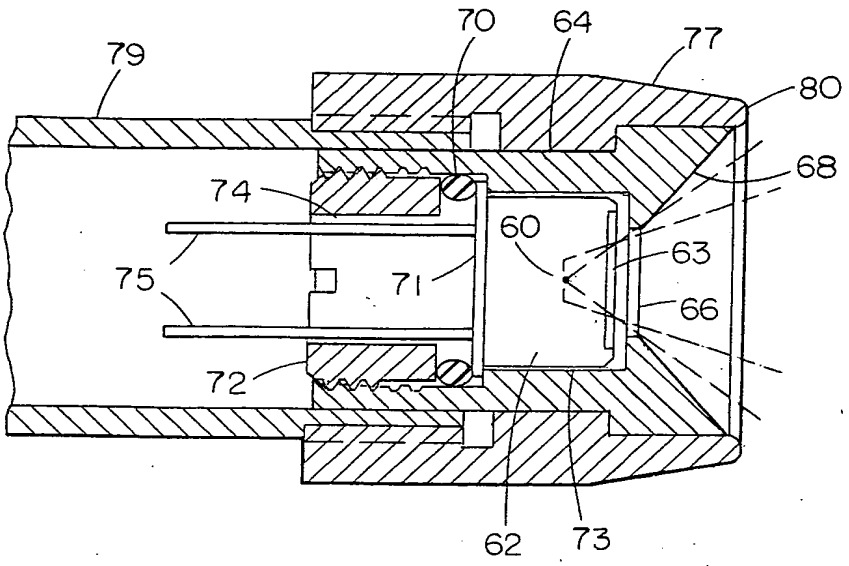

FIG. 2A

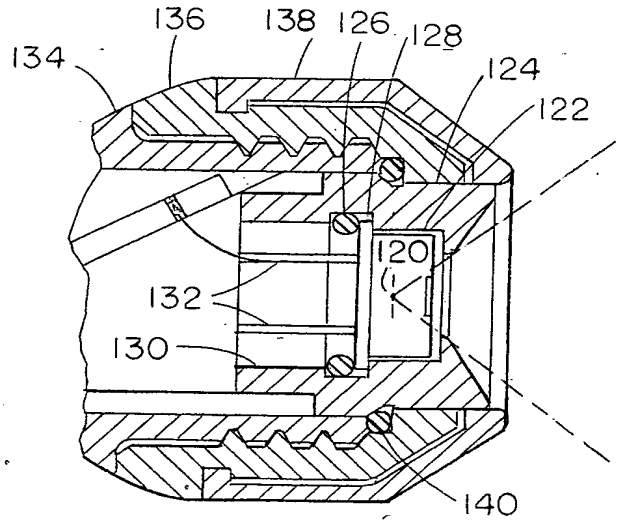

FIG. 2B

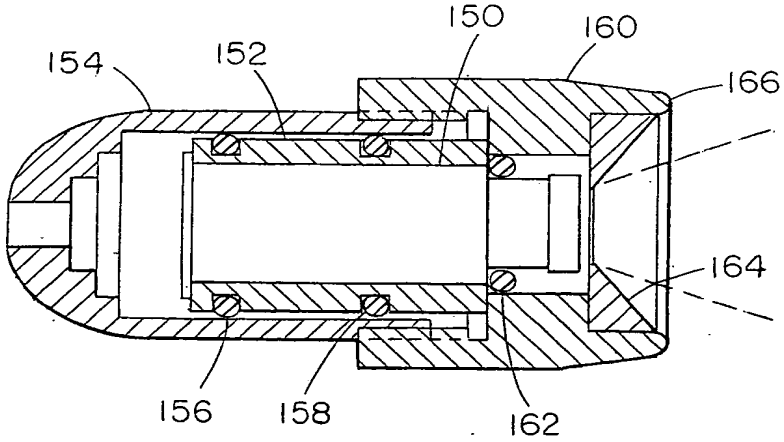

FIG. 2C

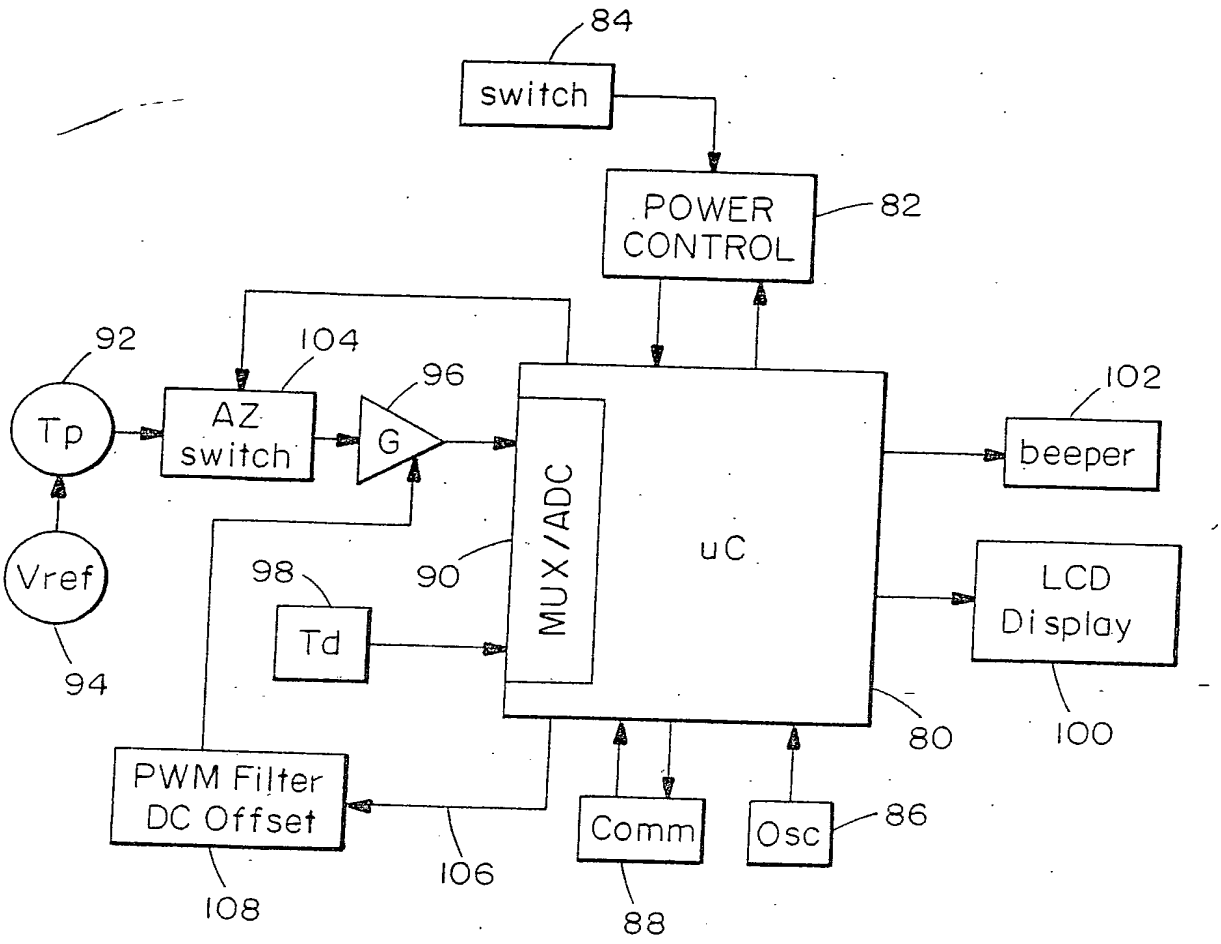
84
switch
POWER CONTROL
82
92
104
96
102
Tp
AZ switch
G
beeper
MUX/ADC
uC
Vref
98
90
LCD Display
Td
94
80
100
PWM Filter DC Offset
Comm
Osc
86
106
108
88

FIG. 3

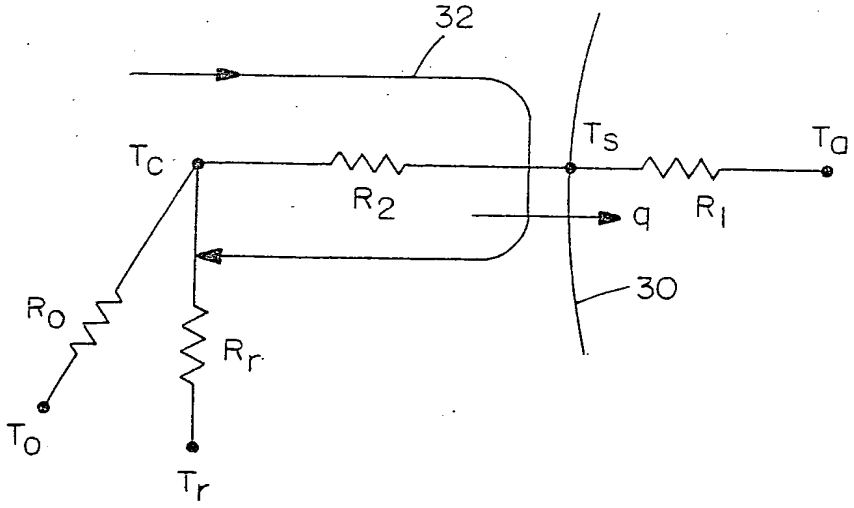
32
Tc
Ts
Ta
R2
q
R1
30
Ro
Rr
To
Tr

FIG. 4

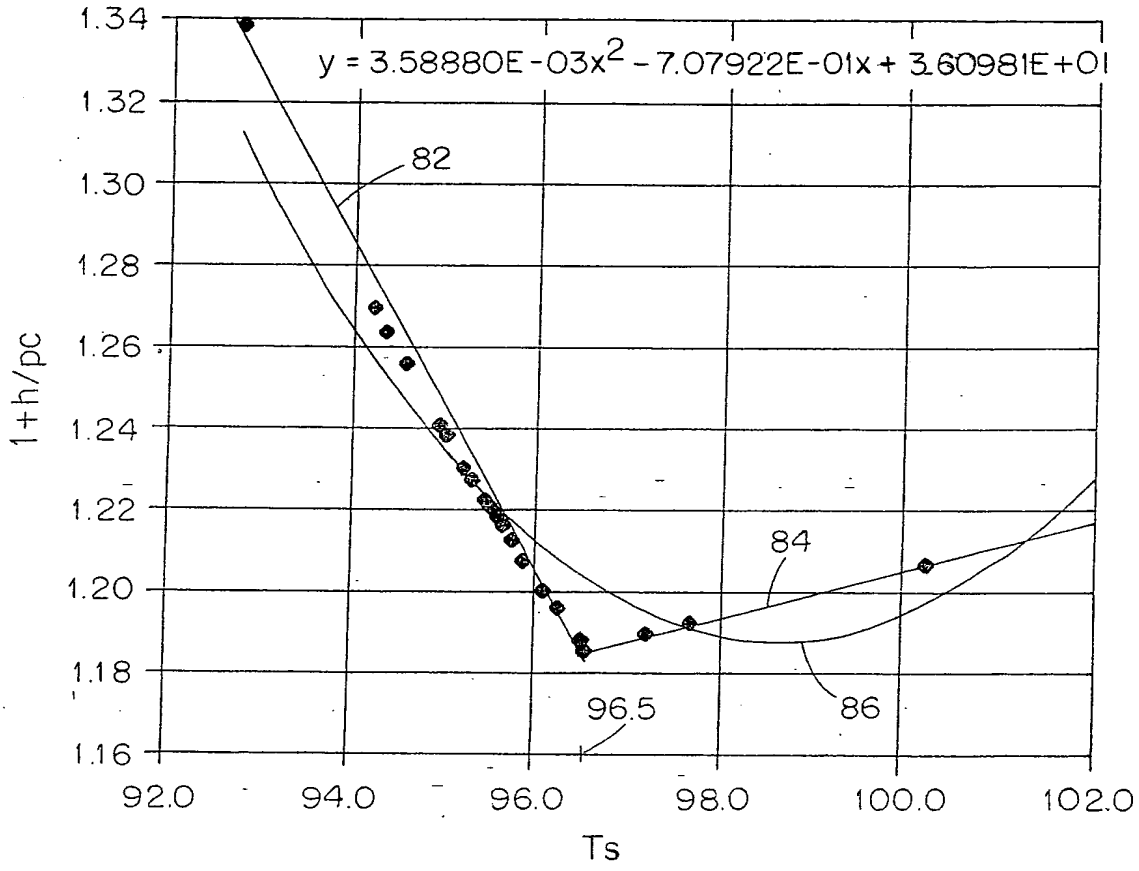
y = 3.58880E-03x2 - 7.07922E-01x + 3.60981E+01
1.34
1.32
1.30
1.28
1.26
1.24
1.22
1.20
1.18
1.16
1+h/pc
82
84
86
96.5
92.0
94.0
96.0
98.0
100.0
102.0
Ts

FIG. 5